Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Sunday 19 Dec 2021 until 23:59 on Monday 20 Dec 2021

Forecast Issued on Saturday 18 Dec 2021 at 18:44

Confidence: High for largely settled and dry conditions through the coming days but low for cloud details and possible return to more unsettled conditions later in week.

Headline for Sunday 19 Dec 2021: Sunny on fells but low cloud, mist and fog lingering at low levels.

Mountain weather hazards on Sunday 19 Dec 2021

Blizzards
No Likelihood

Heavy Snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
No Likelihood

Poor visibility
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Clear night	Clear night	Sunny	Sunny	Sunny	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability							
00%	00%	00%	00%	00%	00%	00%	00%

Forecast for Sunday 19 Dec 2021

Weather: Clear or sunny on fells but below about 300-450m, the top of a strong temperature inversion, low cloud mist and fog patches likely to be slow to clear through the day. Cloud tops likely to rise a little through the evening.

Chance of cloud free mountain/hill tops above 800m: 100%, although lower slopes likely to be affected by low cloud.

Visibility: Rather hazy below the cloud, and less than 100m in cloud or low level fog, but above about 300-450m visibility generally excellent.

Check our weather forecast every day to get the most accurate and up to date information
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Mountain Weather Forecast

Forecast for Sunday 19 Dec 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	11/13 SW	7/8 SE	6/7 E	6/8 NE	7/9 N	7/9 NE	7/9 E	7/9 NE	7/9 NE
600	8/9 S	4/5 S	3/4 SE	3/4 NE	3/4 N	4/5 NE	4/6 NE	4/6 E	4/6 E
300	4/8 SW	3/6 SE	2/4 E	2/4 NE	3/5 N	2/4 NE	2/4 NE	3/6 NE	2/5 NE
Valley	1/4 E	1/3 SE	1/2 E	1/3 E	1/4 SW	2/5 E	2/4 E	2/4 NW	2/5 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	9/7	8/6	8/6	8/6	8/6	7/5	6/4	3/1	1/-2
600	8/6	7/6	7/6	7/6	7/6	6/5	5/3	3/1	1/-1
300	6/4	4/3	2/1	3/2	7/6	5/4	3/2	1/-0	-0/-2
Valley	3/2	2/1	2/1	2/0	5/4	4/3	2/1	2/0	2/-0
Freezing Level*	1800m	1700m	1700m	1200m	1600m	1700m	1600m	1100m	1000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Strong temperature inversion with maximum temperatures around plus 10 or 11 Celsius above 450m.

Forecast for Monday 20 Dec 2021

Weather: Some clearer spells, especially over higher fells in the west, but generally a cloudier day, only the highest fells seeing long sunny spells as the temperature inversion rises. Patchy drizzle possible, especially over more eastern hills.

Maximum wind: Easterly or northeasterly around 10mph

Chance of cloud free mountain/hill tops above 800m: Around 10% with only the highest fells above the cloud

Visibility: Periods of persistent cloud above 300-450m, tops around 800m, with rather hazy visibility below, but once again excellent visibility on fells above the cloud.

Temperature: **Valleys:** Around plus 1 or 2 Celsius rising to plus 5 or 6 Celsius by day
At 800m: Plus 4 or 5 Celsius
Freezing level: Above the summits, although shallow sub-zero layer may develop around 600-750m

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Saturday 18 December. Location: Helvellyn summit at 14:45.Full report:
Stable high pressure and a temperature inversion gave a spectacular day on the Lake District fells. Many of the national parks valleys were clear of cloud but a significant coastal cloud inversion made some inroads inland. Air clarity was amazing and the hills of Snowdonia could be seen from the summit of Helvellyn. The fells are for the most part snow-free, however, there are still some large patches and long continuous ribbons of snow to be found typically but not exclusively on steep north through east-facing aspects above 700m. Small slumping & unstable cornices are also to be found above these slopes which should be given a wide berth. Despite the relatively warm summit temperatures all the snow encountered today was firm and icy especially on paths where it has been compressed by walkers feet. Anyone venturing onto the snow and or steeper terrain should be equipped with an ice axe and crampons. The majority of popular paths can now be followed without setting foot on snow including Striding & Swirral Edges although these both require some careful route choice and anyone straying from this line could quickly find themselves on some very serious & icy terrain. Full winter clothing (warm and waterproof) and equipment including hat and gloves, map, compass and a headtorch are all essential for anyone venturing onto the fells. Temperature: plus 8.9C, Maximum wind speed 13.0mph, Wind chill: plus 5.0C, Average wind speed: 11.3mph.

Issued at: 1844 on Sat 18 Dec 2021

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